

EDUCATION **The Australian National University** Canberra, Australia
Bachelor of Science (Advanced) (Honours) 2021.07 - 2025.07

- Advisor: Prof. Richard Hartley and Prof. Ian Reid
- Major: Computer Science, Minor: Mathematics
- First Class Honours (Australasian Undergrad Research Medal 2025, GPA 6.656/7)

- PUBLICATIONS
1. **GeoWorld: Geometric World Models**
Zeyu Zhang, Danning Li, Ian Reid, Richard Hartley
CVPR 2026 <https://steve-zeyu-zhang.github.io/GeoWorld/>
 2. **VaseVQA-3D: Benchmarking 3D VLMs on Ancient Greek Pottery**
Nonghai Zhang*, Zeyu Zhang*[†], Jiazi Wang*, Yang Zhao, Hao Tang
ICLR 2026 <https://aigeeksgroup.github.io/VaseVQA-3D/>
 3. **FlashMo: Geometric Interpolants and Frequency-Aware Sparsity for Scalable Efficient Motion Generation**
Zeyu Zhang*, Yiran Wang*, Danning Li*, Dong Gong, Ian Reid, Richard Hartley
NeurIPS 2025 <https://steve-zeyu-zhang.github.io/FlashMo/>
 4. **FPSAttention: Training-Aware FP8 and Sparsity Co-Design for Fast Video Diffusion**
Akide Liu*, Zeyu Zhang*, Bohan Zhuang et al.
NeurIPS 2025 *Spotlight* <https://fps.ziplab.co/>
 5. **Motion Mamba: Efficient and Long Sequence Motion Generation**
Zeyu Zhang*, Akide Liu*, Ian Reid, Richard Hartley, Bohan Zhuang, Hao Tang
ECCV 2024 <https://steve-zeyu-zhang.github.io/MotionMamba/>

RESEARCH I also first-authored* or led[†] several impactful projects on video and 3D foundation models.

- PROJECTS
1. **BlockVid: Block Diffusion for High-Quality and Consistent Minute-Long Video Generation**
Zeyu Zhang, Jiasheng Tang, Fan Wang, Bohan Zhuang, et al.
<https://ziplab.co/BlockVid/>
 2. **3D-R1: Enhancing Reasoning in 3D VLMs for Unified Scene Understanding**
Ting Huang*, Zeyu Zhang*[†], Hao Tang
<https://aigeeksgroup.github.io/3D-R1/> (300+ stars for 1 months)
 3. **Motion Anything: Any to Motion Generation**
Zeyu Zhang*, Yiran Wang*, Wei Mao, Danning Li, Akira Zhao, Biao Wu, Zirui Song, Bohan Zhuang, Ian Reid, Richard Hartley
<https://steve-zeyu-zhang.github.io/MotionAnything/>

- RESEARCH EXPERIENCES
- Alibaba DAMO Academy** | Research Intern 2024.12 - 2025.12
• Video generation foundation model.
- Peking University** | Research Assistant 2024.07 - 2025.12
• Video and 3D foundation model, working with Asst. Prof. Hao Tang.
- Monash University** | Research Assistant 2024.02 - 2024.05
• Efficient and Long Sequence Human Motion Generation, working with Asst. Prof. Bohan Zhuang.
- Australian Institute for Machine Learning** | Student Researcher 2022.11 - 2024.01
• 3D medical imaging analysis, working with Prof. Ian Reid, and Asst. Prof. Yutong Xie.

- TALKS
- **FPSAttention: Training-Aware FP8 and Sparsity Co-Design for Fast Video Diffusion**, Alibaba DAMO Academy 2025.11
 - **How RL Enhances Spatial Understanding?**, NVIDIA Spatial Intelligence Lab 2025.10
 - **Motion Mamba: Efficient and Long Sequence Motion Generation**, miHoYo 2024.07

REFEREES	Distinguished Professor Emeritus Richard Hartley FRS FAA FIEEE richard.hartley@anu.edu.au	ANU
	Professor Ian Reid FAA FTSE ian.reid@mbzuai.ac.ae	MBZUAI
ACADEMIC SERVICES	Reviewers Conference: <i>CVPR 2025, ICLR 2025 2026, AAAI 2025, MM 2025, IJCAI 2025, CHI 2025, 3DV 2025, VR 2025</i>	